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P/053/62/000/010/003/004
E192/E382

9.4160

AUTHORS: Woliński, Wiesław and Kruszewski, Jerzy

TITLE: Multi-alkali cathodes, type (K-Na-Cs)Sb

PERIODICAL: Przegląd elektroniki, no. 10, 1962, 598 - 601

TEXT: The Department of Radio-engineering of Warsaw Polytechnic has conducted some experiments on (K-Na-Cs)Sb non-transparent cathodes deposited on a glass base. The experimental tubes used for this purpose were in the form shown in Fig. 2. The envelopes of the tubes were made of sodium glass and provided with three outlets, two of which were connected to phials containing salts of alkali metals, the third outlet being connected to the pump. Electrically, the photocathode outlet is in the form of a platinum wire, 0.3 mm in diameter. The tube is provided with a nickel-wire heater, furnished with a drop of antimony. The metals Na and K are produced in one of the phials by heating (by an induction heater) the pills of chromates of these metals contained in the phial. Metallic Cs is obtained in the same way from the pills placed in the second phial. After preliminary processing of the tube the photocathode is formed by depositing a layer of Sb

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Multi-alkali cathodes

on the glass surface by sputtering, and furnishing this layer with a deposit of metallic K and Na. The tube is then cooled and metallic Cs is provided from the second phial. The photo-cathodes obtained by this method have a sensitivity of 60 - 90 μ A/Lm when illuminated by a bulb having a colour temperature of 2 850 $^{\circ}$ K. This figure is about half as ^{large} as that obtained by RCA or Soviet engineers. This low sensitivity is probably due to the formation of gases in the pills during the production of the metallic Cs in the presence of a layer of (K,Na)Sb. A simple device permitting production of metallic Cs in vacuum was designed to eliminate the poisoning of this layer. This device is to be tried in future experiments. There are 5 figures and 1 table.

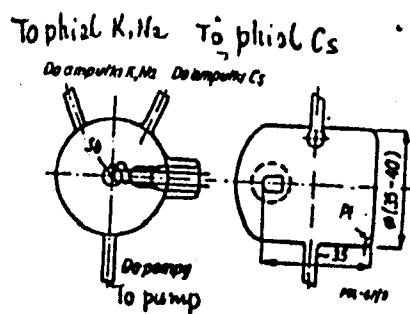
ASSOCIATION: Katedra Radiotechniki Politechniki Warszawskiej
(Department of Radio-engineering, Warsaw
Polytechnic)

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Multi-alkali cathodes

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Fig. 2:



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Distr: bE2c

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Selective enriching of sands containing zirconium occurring on the Polish coast of the Baltic sea. [] vol Aker-
man, Jan Krajewski, Michał Ryrczak, and Elenius Kraj-
ewski (Inst. Metall. Lekkiej Rzadkiej, Skawina, Poland).

Przemysł Chem. 37, 935-938 (1953) (English summary). By dry
and wet sieving and electrostatic and electromagnetic sepn
concentrates of zircon, magnetite, ilmenite, garnet (almandite), and staurolite were obtained from Polish sands.
The mineralogical compn. of these sands is: gravel (>2
mm.) 2.3, light fraction 60.2, and heavy fraction 37.5%;
the latter fraction contains magnetite 1.2, ilmenite 11.4,
zircon 1.8, rutile 0.8, tourmaline 0.3, garnet 10.4, staurolite
0.9, epidote 0.7, disthene (kyanite) 1.7, amphibole 1.8,
andalusite in traces, augite 0.1, hypersthene 0.3, olivine in
traces, titanite in traces, and apatite 0.1%. From 10 ton
of raw sand, after removal of particles larger than 2 mm. and
after wet classification to obtain the heavy fraction, the
electrostatic sepn. of the latter (27 kv.) produced 2 fractions:
nonconducting and conducting fractions. The conducting
fraction was subjected to electromagnetic sepn. (0.5 amp.)
which yielded the ilmenite fraction (nonmagnetic) and the
titaniite-magnetite fraction. The nonconducting fraction
was subjected to 4-stage electromagnetic sepn. (0.8, 0.8, 1.5,
and 1.0 amp.) which yielded 3 fractions: magnetic fraction
of pure garnet (almandite), middle fraction contg. staurolite
and epidote, and nonmagnetic fraction which after sieving
gave zircon concentrate (particles below 0.15 mm.) and disthene
(particles above 0.15 mm.). The sands from the
Jaroslawiec district gave 1.84% zircon concentrate which
contained over 60% ZrSiO₄, corresponding to approx. 65%
yield. This fraction contained also ilmenite 9.6, rutile
10.0, disthene 5.8, staurolite 3.1, and light fraction 14.4%.
The ilmenite fraction contained over 80% ilmenite. The
epidote concentrate showed an increase in radioactivity over
the raw material.

P. I. Hendel

P/046/62/007/010/002/002
D256/D308

AUTHORS: Akerman, Karol, Braffman, Marek, Kruszewska, Olga
and Kruszewski, Klemens

TITLE: Isotopic investigation of the effectiveness of various methods of purification of SiCl_4 and SiHCl_3 for use in the production of high-purity silicon and silica

PERIODICAL: Nukleonika, v. 7, no. 10, 1962, 635-648

TEXT: The known methods of producing high-purity SiCl_4 and SiHCl_3 are reviewed considering 1) partial hydrolysis; 2) extraction of the impurities with inorganic acids; 3) complexing the impurities with $\text{CH}_3\text{CO}_2\text{O}$ and $(\text{C}_6\text{H}_5)_3\text{CCl}$; 4) fractional distillation; 5) adsorption of impurities on activated silica gel. Effectiveness of the methods was examined by the authors using the following techniques: radioactive tracer analysis employing P^{32} and Fe^{59} , neutron activation of impurities and spectral analysis; the sensitivity of the latter was found to be inadequate. The fractional distillation pro-

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Isotopic investigation ...

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D256/D503

cess stands out as the most effective one; the degree of purity achieved was better than 10⁻⁵; by weight, exceeding the sensitivity of the employed β -ray detection system. High-efficiency technological schemes for purification of SiCl₄ and SiHCl₃ are proposed. There are 3 tables and 2 figures.

ASSOCIATION: Instytut Badań Jądrowych PAN, Dział Zastosowania Izotopów w Chemii i Technologii Chemicznej, Warsaw Institute of Nuclear Research, P.N., Department of Isotope Applications in Chemistry and Chemical Technology, Warsaw)

SUBMITTED: June, 1962

Card 2/2

KRUSZEWSKI, Stanislaw, ASAMOWICZ, Boleslaw

Case of laryngocèle. Polski przegl. radiol. 22 no.2:103-107 Mar 58

1. Z Zakładu Radiologii A.M. w Warszawie Kierownik: prof. dr nauk med.
W Zawadowski i Kliniki laryngologicznej A.M. w Warszawie Kierownik:
prof. dr med. I. Szymański.

(LARYNX, dis.

laryngocèle, case report (Pol))

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826810014-1

KRUSZEWSKI, S.

In Memoriam Dr. T. Alkiewicz. Polski prezegl.radiol. 23 no.5:
263-265 S-O '59.
(OBITUARIES)

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CIA-RDP86-00513R000826810014-1"

KRUSZEWSKI, Stanislaw

Hard ray technic in radiological diagnosis. Polski tygod. lek. 14
no.45:1997-2001 9 Nov 59.

1. (Z Zakladu Radiologii Lekarskiej Akademii Medycznej w Warszawie;
kierownik: prof. dr med. W. Zwadowski).
(RADIOGRAPHY)

KRUSZEWSKI, Stanislaw

The most recent achievements in the field of roentgenodiagnosis,
roentgenocinematography and roentgenotelevision. Polski tygod.lek.
15 no.36:1377-1382 5 S '60.

1. Z Zakladu Radiologii Lekarskiej A.M. w Warszawie; kierownik
prof. dr. med. W.Zawadowski
(RADIOLOGY)

KRUSZEWSKI, Stanislaw.

Electric intensifier of the image on the screen. Polski przegl.
radiol. 24 no.2: Mr-Ap '60.

1. Z Zakladu Radiologii A.M. w Warszawie. Kierownik: prof.dr nauk.
med. W. Zawadowski.
(RADIOGRAPHY equip. & supply)

KRUSZEWSKI, Stanislaw

Radio-cinematography. Polski prsegl.radiol. 24 no.2:125-142
Mr-Ap '60.

1. Z Zakladu Radiologii Lekarskiej A.M. w Warszawie. Kierownik:
prof.dr nauk med. W. Zawadowski.
(RADIOGRAPHY)

WIECKOWSKA, Wanda; KRUSZEWSKI, Stanislaw; WISNIEWSKI, Henryk

The effect of radioopaque contrast media on the pancreatic parenchyme.
Acta medica polona 2 no.5:229-235 '61.

1. Department of Experimental Surgery, Polish Academy of Sciences,
Warsaw. Director: Doc. Dr. J. Nielubowicz.

(PANCREAS pharmacol) (CONTRAST MEDIA pharmacol)

MITRINOWICZ-MODRZEJEWSKA, Aleksandra; KRUSZEWSKI, Stanislaw

Role of roentgenocinematography in phonetics and phoniatriy. Pol.
tyg. lek. 17 no.4:146-150 22 Ja '62.

1. Z Oddzialu Foniatrycznego Kliniki Otolaryngologicznej AM w
Warszawie; dyrektor Kliniki: prof. dr J. Szymanski i z Zakladu
Radiologii Lekarskiej AM w Warszawie; dyrektor: prof. dr nauk med.
W. Zawadowski.

(CINEFLUOROSCOPY) (VOCAL CORDS radiog)

KRUSZEWSKI, Stanislaw; TOLLOCZKO, Tadeusz

Cholangiography immediately after surgery. Polski przegl. radiol.
26 no.2:145-148 '62.

1. Z Zakladu Radiologii Lekarskiej AM w Warszawie Kierownik: prof.
dr nauk med. W. Zawadowski z I Kliniki Chirurgicznej AM w Warszawie
Kierownik: doc. dr med. J. Nielubowicz.
(CHOLANGIOGRAPHY) (CHOLECYSTECTOMY)

KRUSZEWSKI, Stanislaw

Roentgenocinematography of the larynx. Pol. przegl. radiol. 26 no.3:
231-235 '62.

1. Z Zakladu Radiologii Lekarskiej AM w Warszawie Kierownik: prof. dr
nauk med. W. Zawadowski.

(LARYNX radiog) (CINEFLUOROGRAPHY)

KRUSZEWSKI, S.; PIETRASZKIEWICZ, E.; SZCZERBAN, J.

Retrograde filling of the hepatic veins with a contrast medium.
(Preliminary communication). Pol. przegl. radiol. 26 no. 3:225-229
'62.

1. Z Zakladu Chirurgii Doswiadczonej Polskiej Akademii Nauk Kierownik:
doc. dr med. J. Nielubowicz.

(ANGIOGRAPHY) (HEPATIC VEINS radiog)

KRUSZEWSKI, Stanislaw

Experimental studies on the development of collateral circulation in stenosis or obstruction of the inferior vena cava.
Rozpr. wydz. nauk. med. 8 no.2:293-315 '63.

*

KRUSZEWSKI, Stanislaw; TOLOCZKO, Tadeusz

Some causes of faulty drainage of the common bile duct.
Pol. przegl. chir. 35 no.7/8:773-774 '63.

1. Z I Kliniki Chirurgicznej AM w Warszawie Kierownik: prof.
dr J. Nielubowicz i z Zakladu Radiologii Lekarskiej AM w
Warszawie Kierownik: prof. dr W. Zawadowski.
(CHOLANGIOGRAPHY) (COMMON BILE DUCT)

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826810014-1

KUBISZEWSKI, Stanislaw; OLSZTMISKI, Waldemar

Experimental studies on cholangiography using direct liver puncture.
Pol. przegł. radiol. 28 no.2:155-159 Mr-Ap '64..

I. z Zakladu Chirurgii Doswiadczonej Polskiej Akademii Nauk
(kierownik: prof. dr. med. J. Nielubowics).

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826810014-1"

KRUSZEWSKI, Stanislaw

Result of roentgenocinematographic examination of the common
bile duct. Pol. przegl. radiol. 28 no.4:353-359 Jl.4g '64.

1. Z Zakladu Radiologii Lekarskiej Akademii Medycznej w Warszawie
(Kierownik: doc. dr med. S.L. Zgliczynski).

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826810014-1

KRUSZEWSKI, Stanislaw; R037074K, Lt, niajne

Project for the Central Rontgen diagnostic Institute in the
system of clinics of the Medical Academy in Warsaw. Pol.
przegl. radiol. 29 no.3:337-347 Hydru '65.

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826810014-1"

Prague, C.

"Prints Problems of Water Management", p. 3/5, (Czechoslovakia), Vol. 14,
No. 9, Sept. 1955, (hereinafter referred to as "jurnal")

3. Monthly List of East European Accidents, (CIA), 1955, Vol. 4, No. 5,
May 1955, (herein).

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826810014-1

KRUSZAKSKI, T.

Some remarks on some problems in water management, p.97.
GLOT DAWKI WODNE (Bieguna Organizacja Techniczna) Warszawa
Vol. 16, no. 3, Mar. 1966

So. East European Acquisitions List Vol. 5, No. 9 September 1966

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000826810014-1"

KRUSZEWSKI, T.

An excursion on the Augustow Canal. p. 47. (Gospodarka Wodna, Vol. 16,
No. 10, Oct 1956, Warsaw, Poland)

SO: Monthly List of East European Acquisitions (EEAL) LC, Vol. 6, No. 8, Aug 1956. Uncl.

KRUSZEWSKI, T.

The planning and realization of investments in water management. p. 59.

GOSPODARKA WODNA. (Niezela Organizacja Techniczna) Warszawa, Poland.
Vol. 19, no. 2, Feb. 1959.

Monthly list of East European Accessions Index (EEAI), LC, Vol. 8, no. 6,
June 1959
unclu.

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826810014-1

KRUSZEWSKI, Tadeusz, mgr., inz.

On the problem of shortening the cycle of investments in hydraulic
engineering. Gosp wodna 21 no.11:477-478 N '61.

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826810014-1"

KRUSZEWSKI, Tadeusz, mgr inz.

Problems concerning the construction of lowland reservoirs.
Gosp wodna 23 no.7:260-261 Jl '63.

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826810014-1

KRUSZEWSKI, Tadeusz, mgr. inż.

Flood damages in water engineering and soilimproving constructions and works. Gosp wodna 23 no.11: 419-422 N°63

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826810014-1"

KRUSZEWSKI, T.,mgr inz.

Scientific and technological conference on designing and construction of the control of minor rivers and small water structures. Gosp wodna 24 no. 1: 37-40 Ja '64.

KRUSZEWSKI, Tadeusz, mgr inz.

Problems of nature and verdure structure protection in connection with river regulation. Gosp wodna 23 no.12: 455-458 D'63.

"Antierosive land improvements." Reviewed by Tadeusz Kruszewski. Ibid.:473-474

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826810014-1

CZERNY, Boleslaw, mgr inz.; KRUSZEWSKI, Tadeusz, mgr inz.

Kazimierz Myslakowski's forty years of professional activities.
Gosp wodna 24 no.12:468-469 D '64.

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826810014-1"

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826810014-1

KRUSZEWSKI, Tadeusz, dr inż.

Petrographic characteristics of bituminous brown coal from Turow.
Glow inst gorn prace no.352/360:217-227 '64.

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826810014-1"

KRUSZEWSKI, Zdzislaw

The problem of measuring the space vector of magnetic induction.
Przegl elektroniki 3 no. 5:267-271. Maj '62

1. Zaklad Elektroniki, Instytut Podstawowych Problemow Techniki,
Polska Akademia Nauk, Warszawa.

KRUSZEWSKI, Zdzislaw

Technology of contacts of Hall generators. Przegl elektroniki
3 no.9:514-521 S '62.

1. Zaklad Elektrotechniki, Instytut Podstawowych Problemow
Techniki, Polska Akademia Nauk, Warszawa.

KNITTER, Edmund, mgr; KRUSZEWSKI-MAJEWSKI, Jan

Calculating torsional vibrations of ship propulsion systems
with the Elliot 803 computer. Bud Okretowe Warszawa 8 no.8:
267-271 Ag '63.

1. Ośrodek Badawczy Przemysłu Okrętowego, Centralne Biuro
Konstrukcji Okrętowych nr. 1, Gdańsk.

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826810014-1

OBUDOWA M. WILK, s.c. inz.

New calculation method of torsional vibrations of ship drive
systems performed with electronic computers. Bud Okretow
Marszałkowska 9 m., B-284-285 Ag '64.

In Research Center of the Shipbuilding Industry, Central
Ship Building Office No. 1, Gdańsk.

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826810014-1"

KRUSZEWSKI-MAJEWSKI, Mieczyslaw

Torsional vibration elements of ship propulsion systems. Bud
okretowe Warszawa 10 no.3:86-88 Mr '65.

1. Research Center of the Ship Industry at the Central Ship Design
Office No.1, Gdansk.

KRUSZKOV, Iv.

A pharmacologic study of the methyl-1 - pyridylketone
thiosemicarbazone (preparation Nr. 19). Nauch. tr.vissah
med.inst. Sofiia 42 no.4:37-43 '63

1. Chair of Pharmacology, (Director Prof. D.Paskov), Medical
Institute in Sofia.

*

KRUSZONA, A.

TECHNOLOGY

Periodicals: NORMALIZACJA. Vol. 26, no. 6/7, June/July 1958

KRUSZONA, A. A conference on the standardization of the lamp and teletechnical industries. p. 332.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 2,
February 1959, Unclass.

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826810014-1

A V Titrimetric method for saccharose and determination in sugar
phosphate. S. Reysner, H. Kruczynski, And J. Iluziewicz (Roczn.
Nauk rol., 1954, 70, A, 141-143). P. S. ARUF.

(2)

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CIA-RDP86-00513R000826810014-1"

Production of domestic Beer pulp from waste materials.
Stanislaw Majer and Miejski Kozlowski (Polytech.
Highschool, Lodz, Poland). Zeszyty Nauk. Politech.
Lodz, No. 5, Chem. Spolyweta No. 1, 01-71(1955).—Cotton
waste from the clothing industry has been used as the
rough material for domestic beer fermentation pulp. The
material was reduced to small pieces and then disintegrated
into fibrous form. To remove the linen and starch odor the
material was washed for 30 min. with water at 90°. Addn.
of 1.4% of asbestos was necessary to obtain satisfactory
yields. The beer had a good clarity, stability, and color.

-- R. Ehrlich

(class) 2

KRUSZYNSKI, Jerzy; EMERYK, Barbara; KOPC, Aniela

A case of paramyoclonus multiplex. Neurol., neurochir., psychiat.
Pol. 14 no.3:523-524 My-Je '64

1. Z Oddziału Neurologicznego Szpitala Miejskiego "Radomiu
(Ordynator Oddziału: dr. J. Borysiewicz) i z Kliniki Neuro-
logicznej Akademii Medycznej w Warszawie (Kierownik: prof.
dr. med. J. Hausmanowa-Patrusewicz).

KRUSZYNSKI, M.

KRUSZYNSKI, M. Modernization of the production of plastics by
applying contact-radiation heating. p. 77.

Vol. 31, No. 12, Dec. 1955
PRZEGIAD ELEKTRYCZNOŚCI
TECHNICZNY
Poland

So: East European Accession, Vol. 5, No. 5, May 1956

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826810014-1

KRUSZYNSKI, M.

"Determination of Most Suitable Conditions of Contact-Radiation Pre-heating
of Thermo-Setting Resin Preforms," Prace Instytutu Elekrotechniki, Vol. V, No 17/1956.

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826810014-1"

KRUSZYNISKI, M.

POLAND/Chemical Technology. Chemical Products and
Their Uses. Part IV. Synthetic Polymers.
Plastics.

H

Abs Jour : Ref Zhur-Khimiya, No 15, 1958, 52055

Author : Kruszynski, Michal

Inst : -
Title : Modernization of Heat Sensitive Plastics
Processing by Electrical Heating.

Orig Pub : Przegl. Electrotechn., 1957, 33, No 7-8,
363-367

Abstract : A survey of electrothermal heating methods,
and an evaluation of their effectiveness in
the drying of pressed powders, in the pre-
heating of powders or of the pressed cakes
prior to their press-forming and in heating

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KRUSZYNSKI, Maksymilian

On the obligation of repayment for the stay of pensioners in
therapeutical institutions. Praca zabezp spol 4 no.11:31 N '62.

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826810014-1

KRUSZYNSKI, Maksymilian

On minimum pensions for old age. Praca zabezp spol 5 no.1:28 Ja
'63.

1. Kierownik Oddzialu Pomocy Spolecznej, Miejska Rada Narodowa,
Gdansk.

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CIA-RDP86-00513R000826810014-1"

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826810014-1

KROISZYNSKI, Maksymilian (Gdansk)

Social assistance and the periods of employment. Praca zabezp
spol 6 no.12:18 D '64.

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CIA-RDP86-00513R000826810014-1"

Entom. Berichtsblätter, Vol XXVII, Series II, No 3, 62.

POLYMER LETTERS EDITION

10. "The Occurrence of Poliomyelitis in '50," Alfred Szwarczynski, M.D., Director of the Children's Hospital, Warsaw, Poland.

11. "Report of the Department of Internal Medicine Dr. A. Szwarczynski," pp. 222-229.

12. "Report of Posture and Problems in the 1950-1951 Period," Ignacy Pacholski, M.D., of the Second Medical and Women's Diseases Clinic of the Academy of Medicine, Warsaw, Poland.

13. "Report of the Department of Internal Medicine Dr. A. Szwarczynski," pp. 230-232.

14. "Report of the Department of Medicine of the Warsaw University," Wladyslaw Szczepanski, M.D., Prof. Dr. med. Sci., director; Prof. K. Maciejewski, pp. 232-234.

15. "Report of the Ordinary Meeting of the Polish Medical Association (Polskie Towarzystwo Lekarskie) Krakow Branch (Krakow Lekarski) Organized Jointly with the Association of Anatomy-Pathologists (Towarzystwo Anatomii-Patologowej Krakowskiej) Krakow Branch, in Warsaw, October 26, 1950," Secretary: Prof. Dr. Jozef Dobuz, chairman; pp. 235-235.

16. "Minutes of the Ordinary Sessional Meeting of the Krakow Branch (Krakow Lekarski) of the Polish Medical Association (Polskie Towarzystwo Lekarskie), on 18 May 1950, Chairman: Dr. Piotr Bozicek, Secretary Prof. Dr. Jozef Dobuz, chairman; pp. 235-235.

17. "English Summary of Contents," p. 235-236.

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KRUT', A. P., Cand. Med. Sci. -- (diss) "Concerning the change in certain functions of the liver in scarlet fever," Dnepropetrovsk, 1960, 18 pp
(Dnepropetrovsk Medical Institute)
(KL, 40-60, 124)

KRUT', A.P.

Electrophoretic study of blood serum proteins in scarlatina.
Ped., akush. i gin. 22 no.5:28-29 '60. (MIRA 15:6)

1. Kafedra infektsionnykh bolezney (zav. - prof. I.I. Levin
[deceased]) i propedevtiki vnutrennikh bolezney (zav. - prof.
K.N. Stepashkina) Dnepropetrovskogo meditsinskogo instituta.
(SCARLET FEVER) (BLOOD PROTEINS) (ELECTROPHORESIS)

KRUT¹, A. P., kand. med. nauk

Treatment of brucellosis with dry brucellar vaccine. Vrach.
deleno no. 6:114-115 Je '62. (MIRA 15:7)

1. Kafedra infektsionnykh bolezney (zav. - kand. med. nauk
A. I. Tripol'skaya) Dnepropetrovskogo meditsinskogo instituta.

(BRUCELLOSIS)

KRUT', I.V.

Middle Paleozoic volcanic sedimentary formations in the piedmont
trough of the Greater Caucasus. Lit. i pol. iskop. no.3:18-34
My-Je '65. (MIRA 18:10)

1. Tsentral'nyy nauchno-issledovatel'skiy gorno-razvedochnyy
institut tsvetnykh, redkikh i blagorodnykh metallov. Moskva.

KRUT', I.V.; LYASHENKO, A.I.; YAKOVLEV, L.I.

Devonian age of the Karachay series in the Northern Caucasus.
Dokl. AN SSSR 153 no.5:1142-1144 D '63. (MIRA 17:1)

1. TSentral'nyy nauchno-issledovatel'skiy gornorazvedochnyy
institut tsvetnykh, redkikh i blagorodnykh metallov. Pred-
stavлено akademikom D.V. Nalivkinym.

KROPACHEV, S.M.; KRUT', I.V.

Stratigraphy of Middle Paleozoic sediments in the Northern
Caucasus. Dokl. AN SSSR 153 no.1:172-175 N '63.
(MIRA 17:1)

1. Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova.
Predstavлено akademikom V.I. Smirnovym.

DEMIN, A.M.; KROPACHEV, S.M.; KRUT', I.V.

Devonian volcanic complex of the Northern Caucasus. Izv. AN SSSR.
Ser. geol. 30 no. 11:47-62 N '65.

(MIRA 18:12)

1. Nauchno-issledovatel'skaya stantsiya Moskovskogo gosudarstven-
nogo universiteta M.V.Lomonosova. Submitted June 30, 1964.

DUMIN, A.M., KRUT', I.V.

Lower Carboniferous igneous activity in the northern Caucasus.
Bull. MOIP Otd. geol. 40 no. 6:139 N-D '65 (HIRA 19:1)

1. Submitted April 8, 1965.

KRUT', I.V.; YAKOVLEV, L.I.; KROPACHEV, S.M.; LYASHENKO, A.I.;
SHARKOVA, T.T.

Stratigraphic position and structure of the Karashay series
in the Northern Caucasus. Izv. AN SSSR. Ser. geol. 28 no.10:
49-59 O '63. (MIRA 16:11)

1. TSentral'nyy nauchno-issledovatel'skiy geologorazvedochnyy
institut, Moskva.

KRUT', I.V.; YAKOVLEV, L.I.

Regional zoning of pyrite mineralization in the Ferejovey
Range of the Greater Caucasus. Dokl. AN SSSR 159 no. 5:1031-1034
D '64 (MIRA 18:1)

1. Tsentral'nyy nauchnoissledovatel'skiy gornoe razvedochnyy
institut isvestnykh, redkikh i blagorodnykh metallov. Predstavleno
akademikom V.I. Smirnovym.

KRUT', K. B.

KRUT', K. B. -- "Investigation of Corrosion of Cinder Silicate-Cement."
Sub 13 Oct 52, Moscow Order of Lenin Chemicotechnological Inst imeni
D. I. Mendeleev. (Dissertation for the Degree of Candidate in
Technical Sciences).

SO: Vechernaya Moskva, January-December 1952

KRUT', K. G.

BLASOVA, M. T. - inzhener i, GERSHMAN, M. I. - Kand. tekhn. nauk., KRUT', K. G. - inzh.

Vsesoyuznyy nauchno-issledovatel'skiy institut tsementnoy proyshlyennosti (NIITSement)
KORROZIYA TSEMENTOV V PEREMENNYKH USLOVIYAH

Page 107

SO: Collection of Annotations of Scientific Research Work on Construction, completed in 1950, Moscow, 1951

KRUT, K. G.

Journal of the American
Ceramic Society
Vol. 37 No. 5
Mar. 1, 1954
Ceramics, Limes, and Plasters

Petrographic investigation of corrosion processes of cement.
Yu. M. BUTT AND K. G. KRUT. *Cement*, 19 [6] 10-21 (1954) --
Petrographic analysis was used to determine the effects of artificial sea water and 1% $MgSO_4$ on clinker minerals with and without admixtures of basic and acid siliconous slags. In sea water, the destruction of Portland cement is, in all probability, due primarily to the formation of $Mg(OH)_2$ and then to $CaSO_4 \cdot 2H_2O$ and Ca hydroaluminite, provided there is still some unreacted $3CaO \cdot Al_2O_3$ from $3CaO \cdot Al_2O_3 + 3MgSO_4 + 11H_2O = 3CaSO_4 + 2Al(OH)_3 + 3Mg(OH)_2$. Only then is it possible for C,A and gypsum to be linked and for Ca hydroaluminite to form. It is also possible to have additional destruction (mechanical) because of the formation and growth of NaCl crystals. In 1% $MgSO_4$, the destruction of the cement is apparently caused chiefly by the formation of Ca hydroaluminite and partly by $Mg(OH)_2$ or $CaSO_4 \cdot 2H_2O$. Upon the addition of acid or basic slag, Ca hydroaluminite was not observed in sea water or in 1% $MgSO_4$, except in the case of a hydrated mixture of C,AP with basic slag and 1% $MgSO_4$. Upon the addition of basic slag, there is formed $Ca(OH)_2 \cdot 2H_2O$, and in some cases, when sea water is added, crystals of NaCl appear. When acid slag is added, $CaSO_4 \cdot 2H_2O$ does not always form; in some cases, there were no new formations in connection with the corrosion, but an accumulation of introduced aggressive salts in the form of $MgSO_4$. Cf. *Ceram. Abstr.*, 1954, Feb., p. 264. B.Z.K.

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CIA-RDP86-00513R000826810014-1

KHUT', K.G., kandidat tekhnicheskikh nauk.

Conference on the corrosion of concrete and measures of combating it.
(MLRA 6:6)
Vest. AN SSSR 23 no.4:90-94 Ap '53.
(Concrete)

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"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826810014-1

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826810014-1"

KRUT, K.G.

Chemical Abst.
Vol. 48
Apr. 10, 1954
Cement, Concrete, and Other Building
Materials

Corrosion of slag portland cements and their utilization in hydraulic structures. P. P. Andrusov and K. G. Krut. Zhur. Tekhn. Khim. 26, 257-264 (1953).—Corrosion studies of slag portland cements were made with 6 different clinkers in artificial sea water, 5% Na₂SO₄, and 1% MgSO₄. Corrosion resistance is detd. by mineralogical compn. of clinker, nature of slag addn., and amt. of slag. Resistance can be increased by varying mineralogical compn. or by adding admixts. It is desirable to use different types of cements for such sections of hydraulic structures as are subject to different types of aggression. If one type of cement is used, the mineralogical compn. of the clinker should satisfy requirements for stability in 1% MgSO₄. Acid blast-furnace slags provide increased stability of the cements in sea water and in 1% MgSO₄; basic blast-furnace slag provides less stability than acid slags in 5% Na₂SO₄. Acid slags contg. about 20% glass and up to 15.8% Al₂O₃ proved most "active" in increasing the corrosion resistance. Portland cements contg. 15% tripoli and reagents consisting of 90% basic slag plus 5% anhydrite plus 5% calcined dolomite can be used in hydraulic structures, except where there is a variable water level. In locations of variable sea-water level, cements with a high belite content and little tricalcium aluminate (up to 3%) should be used. The d. and surface condition are also important factors in corrosion resistance. B. Z. Kamlehr

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CIA-RDP86-00513R000826810014-1

KRUT', K.O.

Conference on the corrosion of concrete. Zhur.prikl.khim. 26 no.11:1227-
1230 N '53. (MIRA 6:11) (Concrete)

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826810014-1"

MARKOVSKIY, Yu.N.; KRUT', Ya.D.

"Irmino" Mine No.4/2-bis has been awarded the title of Mine of
Communist Labor. Ugol' Ukr. 5 no.12:7-8 D '61. (MIRA 14:12)

1. Nachal'nik shakhty no.4/2-bis "Irmino" tresta Kadiyevugol'
Luganskogo ekonomiceskogo rayona (for Markovskiy). 2. Glavnyy
inh. shakhty no.4/2-bis "Irmino" tresta Kadiyevugol' Luganskogo
ekonomiceskogo rayona (for Krut').
(Donets Basin--Coal mines and mining--Labor productivity)

MARKOVSKIY, Yu.N.; KRUT', Ya.D., inzh.

"Irmino" Mine No.4 - 2bis is an enterprise of communist labor.
Ugol' 37 no.1:10-11 Ja '62. (MIRA 15:2)
(Donets Basin—Coal mines and mining)

KRUTA, Antonin

Barum-flon, a new packing material. Stroj vyr 10 no.2:98
'62.

1. Ceske zavody gumarenske, n.p., Nachod, zavod Asbestos,
Zverinek.

KRUTA, Antonin

Barum-Flon, an excellent sealing material. Chem
prum 12 no. 5:279-280 My '62.

1. Ceske zavody gumarenske, n.p., zavod Asbestos,
Zverinek.

KRUTA, Antonin

Automatic weighing of bulk and granulated materials. Chem prum J2
no.8:470-471 Ag '62.

1. Cekse zavody gumarenak, n.p., zavod Asbestos, Zverinek.

KRUTA, Jarmil, dr.; HOLUB, Jiri, dr.; KURCOVA, Vlasta; HALOVA, Mila.

Experience from a year's stay at the children's department of the
Czechoslovak Red Cross Hospital in Korea. Cesk.pediat. 11 no.2-3:
208-214 Mar 56.

(HOSPITALS

Czech. Red Cross Hosp. in Korea, pediatric department)

CZECHOSLOVAKIA

KRUTA, R.

Mineralogico-Petrographical Department of the Moravian Museum
(Minerologicko-petrograficke oddeleni Moravskeho musea),
Brno

Prague, Casopis pro mineralogii a geologii, No 4, 1964, pp 475-
476

"New Occurrence of Skarn at Komaninek near Bystrice above
Fernstejn."

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826810014-1

CA

8

Topographical mineralogy of Moravia. Four. Kratochvíl
Geologický ústav Akademie věd ČSSR, Praha 34, 28 371 00
list of minerals observed at many localities M. F.

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826810014-1"

12011., 4.

"Minerals From Zulova (Friedberg) in Silesia." p. 33. (Casopis.
Series A, Historia Naturalis. Vol. 1, No. 2, 1951, Czysza.)

SC: Monthly List of East European Acquisitions, Library of Congress, Wash. D.C., Wash.

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826810014-1

CZECH

Geological mineralogy of Moravia. IV. Tom Arns
Geologické Městské Muzeum v Brně 37, 63-651 Olomouc, Czechoslovakia
40, 00016. --A list of new localities for many minerals
Michael Fleischer

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826810014-1"

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826810014-1

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826810014-1"

KUNETKA, V.

Ore deposits in the northwestern part of the Reichenstein Mountains and
pe matties in the area of Velke Kunetice. P. 60. Brno. Moravské museum
CZECHOSLOVAK. ACTA. Brno. Vol. 40, 1955.

SOURCE: East European Acquisitions List, Vol. 5, no. 9, September 1956

KRUTA, T.

KRUTA, T. A. Botekhtin's Mineralogia (Mineralogy); a book review. p.190.

Vol. 7, no. 1/2, 1956, GEOLOGICKY SBORNIK, BRATISLAVA, CZECHOSLOVAKIA.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 10,
Oct. 1956.

KRUTA, T.

CZECHOSLOVAKIA / Cosmochemistry, Geochemistry, Hydro- D
chemistry.

Abs Jour: Ref Zhur-Khimija, No 18, 1958, 60499.

Author : T. Kruta.

Inst : Moravian Museum at Brno.

Title : Metallogenetic Relations in Culm Deposits at Silesian Part of Low Yesenik.

Orig Pub: Casop. Moravskeho musea Brne, Vedy prirod., 1957,
42, 5-16.

Abstract: Some light is thrown on the history and the present state of mining within the metallogenetic area of the Moravian-Silesian Culm (Pb-Zn-Cu ore mineralization). The quartz and carbonate lodes are characterized by the following mineral paragenesis; Galena, sphalerite, chalcopyrite, pyrite. It is assumed that the mineralization is connected -

Card 1/2

52

CZECHOSLOVAKIA / Cosmochemistry, Geochemistry, Hydro- D
chemistry.

Abs Jour: Ref Zhur-Khimija, No 18, 1958, 60499.

Abstract: ically with not yet disclosed granite intrusions referred to Asturian phase of Hercynian folding. Lodes of the Alpine type with albite were found in Culm deposits too.

Card 2/2

KRUTA, Tomas

New occurrence of skarn in Domanínek near Bystrice nad
Pernatoujné. (as min geol 9 no.4:475-476 '64.

1. Mineralogical and Petrographic Department of the Moravian
Museum, Brno. Submitted January 3, 1964.

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826810014-1

KRUTA, V.

60th anniversary of prof. dr. Vilem Laufberger. Cas. lek. cest.
89 no.35-36:958-963 1 Sept. 1950.
(CIML 20:1)

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826810014-1"

KRUTA, V.

Blood hemoglobin and nutrition difference between boys and
girls of 12-19 years of age. Cas. lek. cesk. 89 no.35-36:979-
983 1 Sept 1950. (CLML 20:1)

1. Of the Institute of Physical Education Medicine (Physiological
Department) in Prague.

KRUTA, V.

Relation of growth physiology to nutritional proteins. Sborn. patofysiolog.
trav. vys. 5 no.6:298-311 1951. (CLML 23:2)

PROCHAZKA, J., Prof. Dr.; TRAPLOVA, Dr.; KRUTA, Dr.; MITRA, Dr.

Infectious hepatitis in children in 1950. Cas.lak.cesk. 91 no.14:
413-415 4 Apr 52.

1. Z inf. oddeleni nemocnice na Bulovce, prednosta prof. dr.
Prochazka a z I. detske kliniky, prednosta prof. Dr. J.Svejcar
v Praze.

(HEPATITIS, INFECTIOUS, in infant and child,
incid. in Czech.)

KRUTA, V.

Jiri Prochazka and the history of identification of sensory and
motor nerves. Chekh fiz 2 no.4:329-336 '53. (KHAL 3:7)
(NEUROLOGY, history,
*Czech., contribution of Jiri Prochazka)
(BIOGRAPHIES,
*Prochazka, Jiri)

"Jiri Prochazka and the History of the Identification of Sensory and Motor Nerves," p. 337,
(CESKOSLOVENSKA FYZIOLOGIE, Vol. 2, No. 4, Dec. 1953, Praha, Czechoslovakia)

30: Monthly List of East European Acquisitions, (MEAL), 16, Vol. 4
No. 5, May 1955, Uncl.

KRUTA, V.; SELIGER, V.

Erythrocyte count, hemoglobin and vitamin C contents in the blood of the athletes. Scripta med., Brno 27 no.3-4:81-90 1954.

l. Z fysiologického oddel. ustavu televýchovného lekarství
Karlové univerzity a z fysiolog. ustavu lék. fak. MU v Brně.
Prednosta prof. dr. Vladislav Kruta

(ERYTHROCYTES,

count in athletes, relation to activity)

(HEMOGLOBIN, determination

in blood of athletes, relation to activity)

(VITAMIN C, determination

in blood of athletes, relation to activity)

(ATHLETES, physiology

erythrocytes, hemoglobin & vitamin C in blood,

relation to activity)

(BLOOD

hemoglobin & vitamin C in athletes, relation to activity)

KRUTA, V.

Pattern of variations of heart rate as a function of temperature
in some mammals. Physiol. Bohem. 5:30-32 Suppl. 1956.

1. Department of Physiology, Faculty of Medicine, University of Brno.
(TEMPERATURE, eff.
on heart rate in mammals)
(HEART, physiol.
rate, eff. of temperature in mammals.)

Kruta

CZECHOSLOVAKIA/General Section - History, Classics, Personalities A-2

Abs Jour : Referat. Zhurn. Biol. No 16, 25 Aug 1957, 67817

Author : Kruta
Title : Rev. Dr. Iirzhi Prokazka (1749-1820). Life--Work--
Period.

Orig Pub : Ceskosl. biol., 1956, 5, No 4, 250

Abstract : No abstract

Card 1/1

- 7 -

KRUTA, V.

International Physiological Congress in Brussels, 1956. p.256.
(Ceskoslovenska Fysiologie, Vol. 6, No. 2, 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 9, Sept. 1957. Uncl.

KRUTA, V.

William Harvey, 1578-1657; significance of his view on blood circulation
and response in Czechoslovakia. Cesk. fysiol. 6 no.4:554-561 Nov 57.

1. Predneseno na slavnostni schazi CS. Biologicke spolecnosti v Brne,
Brnenske poboicky Cs. Botanicke spolecnosti a Brnenske poboicky Cs. Zoolog.
spolecnosti pri CSAV v Brne dne 5. cervna 1957.

(CARDIOLOGY, history,

contribution of William Harvey & his influence in Czech. (Cs))

(BIOGRAPHIES,

Harvey, William (Cs))

BRAVENY, P.; KRUTA, V.

Potentiation activity of myocardial contractions. *Cesk. fysiol.* 7 no.5:
432-433 Sept 58.

1. *Physiologicky ustav lek. fak. MU, Brno.*
(HEART, physiol.
potentiation of cardiac contractions in vitro (Cs))

BLAVÍČK, P.; KRUTA, V.

Post-extrasystolic potentiation of cardiac responsiveness. Česk. fysiol.
7 no.5:433-434 Sept 58.

1. Fyziologicky ústav lek. fak. MU, Brno.
(HEART, physiol.)

post-extrasystolic potentiation of responsiveness (Cs))

KRUTA, V.; STEJSKALOVA, J.

Specific and thermal factors during contractile changes and in optimal frequency of myocardial sinus rhythm. Cesk. fysiol. 8 no.3:215-216
Apr 59.

1. Fysiologicky ustav lekarske fakulty Brno Predneseno na III. fysiologickech dnech v Brne dne 13. 1. 1959.

(HEART, physiol.

 sinus rhythm, eff. of temperature (Cx))

(TEMPERATURE, eff.

 on sinus rhythm (Cx))

KRUTA, V.

Scientific activities of academician Vilem LAUFBERGER. Cas.lek.
cesk.99 no.42:1318-1320 14 0 '60.

(BIOGRAPHIES)

KRUTA, Vladislav, prof., dr.

Purkyne, physiologist. Cas.lek.cesk 99 no.50:1559-1562 9 D '60.

(BIOGRAPHIES) (PHYSIOLOGY hist)

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826810014-1

KRUTA, Vladislav

J. Prochaska and the concept of reflex. Scr. med. fac. med. Brunen.
34 no.7/8:297-314 '61.

1. Chaire de Physiologie, Faculte de Medecine de l'Universite J.E.
Purkyne a Brno (Prof. V. Kruta).
(HISTORY OF MEDICINE) (REFLEX) (BIOGRAPHIES)

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CIA-RDP86-00513R000826810014-1"

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826810014-1

KRUTA, V.

Jan Evangelista Purkyne and surgery. Acta chir. plast. 4 no.4:257-261
'62.

(BIOGRAPHIES) (SURGERY, OPERATIVE)

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826810014-1"